

**IN THE ABSTRACT:**

Kindly replace the page entitled Abstract with the page entitled Abstract that accompanies the present Amendment on a separate sheet.

### **ABSTRACT**

A method and a control system for controlling rock drilling. A control unit of a rock drilling apparatus is provided with one or more control modes, each determining the drilling variables to be measured, their threshold values and the operating principles according to which the operating parameters of drilling are controlled to achieve a desired control criterion.